

## Lloyd's Register of Shipping.

Port YOKOHAMA,6th June, 1933.

This is to Certify that

G. H. Macdonald,

the undersigned Surveyor to this Society did at the request of

Messrs. Fusi Denki Seizo Kabushiki Kaisha attend at their works at Kawasaki, on the 1st June, 1933, in order to examine under test one shunt wound, direct current 1 H.P. motor, No. 32365 of 220 volts by 4.55 amps, at 1500 R.P.M.

This motor is to the order of Messrs. Harima Shipbuilding & Engineering Co., Ltd, Ship No. 189.

The motor was submitted to the following tests:-

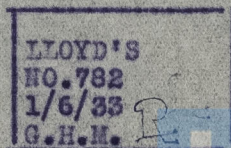
Full load temperature test of  $4\frac{1}{2}$  hours duration.

50% overload test for one minute.

100% overload test for 15 seconds.

The rise of temperature was measured by thermometers, and on completion of trials high voltage (2000 volts A.C. for one minute) and insulation tests were carried out, and all found satisfactory.

For the purpose of identification the motor has been stamped on the casing as follows:-



G. H. Macdonald

Surveyor to Lloyd's Register

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:-  
 "While the Committee use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Committee nor the Society are under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society, or for any error of judgment, default, or negligence of the Surveyors, or other Officers or Agents of the Society."



The Certificate is issued upon the terms of the Rules and Regulations of the Council of the Institute.

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TO BE KEPT IN THE OFFICE OF THE SECRETARY OF THE ARMY

*[Faint vertical bleed-through from reverse side]*

the undersigned surveyor to the society did at the request of

THE UNIVERSITY OF CHICAGO

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